FRENKEL', Naum Zakharovich; VASIL'YEV, O.F., redakter; FRIDKIN, A.M.,
tekhnicheskiy redaktor.

[Hydraulics] Gidravlika. Izd. 2-ee, perer. i dop. Moskva, Gos.
energ. izd-vo, 1956. 456 p.   (MIRA 9:5)
                        (Hydraulics)

SOV/124-57-8-8566

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 5 (USSR)

AUTHOR: Vasil'yev, O. F.

TITLE: The Scientific Legacy Left by I. S. Gromeko (Nauchnoye naslediye
            I. S. Gromeki)

PERIODICAL: Tr. In-ta istorii yestestvozn. i tekhn. AN SSSR, 1956, Vol 10,
            pp 245-268

ABSTRACT: Brief biographical notes and discussion of the works of Ippolit
            Stepanovich Gromeko (1851-1889), professor at the Kazan'
            University, famed for his investigations in the field of hydro-
            mechanics. I. S. Gromeko's dissertation "Some Types of Motion
            of an Incompressible Fluid" (1881) and its role in the development
            of the theory of helicoidal fluid motions are considered in detail.
            Bibliography: 35 references.

                                                          G. K. Mikhaylov

Card 1/1

VASIL'YEV, O.F.

Hydraulic jump and spreading of flow in a widening bed. Dokl.AN SSSR 106
no.5:797-800 F '56.   (MIRA 9:7)

1.Moskovskiy inzhenerno-streitel'nyy institut imeni V.V.Kuybysheva.
Predstavleno akademikom L.I.Sedevym.
(Hydraulic jump) (Fluid dynamics)

KISELEV, Petr Grigor'eyvich; ZHURIN, V.D., prof., doktor tekhn.nauk, red.;
ORLOV, V.A., red.; VASIL'YEV, O.F., red.; MEDVEDEV, L.Ya., tekhn.
red.

[A manual of hydraulic computations] Spravochnik po gidravlicheskim
raschetam. Izd. 2-oe, perer. i dop. Moskva, Gos.energ. izd-vo,
1957. 352 p.   (MIRA 11:2)
        (Hydraulic engineering--Tables, calculations, etc.)

VASIL'YEV C F

$\cdot$ $\cdot$ -9/12

AUTHOR: Vasil'yev, ... , and Tuzhilkin,
            A.M., Ushel . . .

TITLE: Letter to the editor (Pis'mo v redaktsiyu)

PERIODICAL: "Gidrotekhnika i Melioratsiya", 1957, Nr 8, pp 48-49,(USSR)

ABSTRACT: The authors refer to an article published in the periodical
            "Gidrotekhnika i Melioratsiya", Nr 9, 1956, "Energy Losses of
            Fluids Moving over a Rectangular Overflow " by N.G. Dimitriyevs-
            kiy, Candidate of Technical Sciences, several aspects of which
            appear to them to be wrong. Two equations given by Dimitriyevs-
            kiy are replaced by equations of the authors, which are more
            simple and which are substantiated by experiments. The article
            contains 2 figures and one British (London) reference.

AVAILABLE: Library of Congress

Card 1/1

AUTHOR   VASIL'YEV,O.F. (Moscow)   PA - 3077
TITLE: The Theory of the Spiral Motion of a Fluid as Applied to the
              Outflow from an Opening in the Shape of an Air Nozzle.
              (Prilozheniye teorii vintovogo dvizheniya zhidkosti k zadache
              ob istechenii cherez otverstiye s obrazovaniyem vozdushnoy
              voronki, Russian).

PERIODICAL: Izvestiia Akad. Nauk SSSR, 1957, Vol 21, Nr 3, pp 108 - 114
              (U.S.S.R.)

              Received: 6 / 1957   Reviewed: 7 / 1957

ABSTRACT: The investigation was carried out to determine the characteristics
              of a spiral stream which flows from infinity to an opening in a
              horizontal base under the assumption that the depth of the stream
              is constant and equals H. The influence of viscosity is neglected;
              the motion is regarded as homogeneous and the opening as infinitely
              small. The free surface is taken to be horizontally flat. For the
              general case the unhomogeneous equation, which contains the constants
              k and C, is written down. The solution is found by means of series
              and the equations for the circumferential velocity, for the radial
              velocity of the spiral stream and for the axial velocity are derived.
              It is shown that a solution with the help of improper integrals
              (FOURIER-BESSEL) can be found also. The following points were
              established: 1) if, by the activity of the plate opening, the layers
Card 1/2   on the surface of the plate (for example, ground ice lumps) should be

The Theory of the Spiral Motion of a Fluid as   PA - 3077
Applied to the Outflow from an Opening in the Shape of an Air Nozzle.

cast off, then the rotary motion in the under layers is to be
agitated and augmented while those in the top layers is to be di-
minished. 2)If the lower plate layers of the stream should be
strenghtened (washing away of deposits), then a rotation in the
lower layers must be prevented, although in the necessary areas of
the top layers of the stream it should be incited and increased.
(2 illustrations and 3 citations from Slav publications).

PHASE I BOOK EXPLOITATION   849

Vasil'yev, Oleg Fedorovich

Osnovy mekhaniki vintovykh i tsirkulyatsionnykh potokov (Principles of the
Mechanics of Helical and Circulation Flows) Moscow, Gosenergoizdat, 1958.
142 p. 3,550 copies printed.

Ed.: Kiselev, P.G.; Tech. Ed.: Larionov, G. Ye.

PURPOSE: The book may be of interest to scientific workers, research fellows,
and engineers in scientific-research organizations working in the field
of hydro- and aerodynamics, hydraulics, and hydraulic machinery.

COVERAGE: The author considers the theoretical foundations of a comparatively
little treated part of hydrodynamics, namely, the mechanics of helical
and circulation flows. The author limits himself to the case of a non-
viscous fluid. Certain practical problems also are considered which pertain
to flows with transverse circulation, flows in curved channels, and the
formation of air eddies in a discharging fluid. However, the contents of
the book may prove useful also in connection with other technical problems.

Card 1/4

Principles of the Mechanics (Cont.)   849

The book contains 22 figures and 2 tables. There are 84 references, 65 of which are Soviet (including 3 translations), 7 Italian, 4 English, 3 French, 2 German, 2 Czech, and 1 Roumanian.

TABLE OF CONTENTS:
                                                                    3

Card 2/4

Principals of the Mechanics (Cont.)   849

Card 3/4

Principals of the Mechanics (Cont.)   849

AVAILABLE: Library of Congress

Card 4/4
                                                IS/ar
                                                11-17-58

VASIL'YEV, O.F., kand.tekhn.nauk

Fluid vibration in lift chambers of inclined locks caused by their
sudden stop. Nauch.dokl.vys.shkoly; stroi. no.1:202-212 ' 58.
(MIRA 12:1)

1. Rekomendovana kafedroy gidravliki Moskovskogo inzhenerno-stroitel'nogo
instituta imeni V.V. Kuybysheva.
(Locks (Hydraulic engineering)) (Fluid mechanics)

VASIL'YEV, O.F., dots., kand.tekhn.nauk

Approximate differential equations of water vibration in chambers
of inclined lifts and locks with centralized filling systems.
Nauch.dokl.vys.shkoly; stroi. no.2:243-251 ' 58.
                                                    (MIRA 12:1)
    (Locks (Hydraulic engineering)) (Fluid mechanics)

VASIL'YEV, O.F., Cand., kand.tekhn.nauk

Integration of approximation differential equations for the fluctual
of water in the lifting chamber of an inclined ship lock. Nauch.dokl.
vys.shkoly; stroi. nc.3:191-200 '58.   (MIRA 12:0)

1. Rekomendovana kafedroy gidravliki Moskovskogo inzhenerno-stroitel'-
nogo instituta imeni V.V. Kuybysheva.
                    (Locks (Hydraulic engineering))

VASIL'YEV, O.P., kand.tekhn.nauk

Stresses in mooring lines of a ship in an inclined lock. Nauch.
dokl.vys.shkoly; stroi. no.4:187-194 '58.   (MIRA 12:2)

1. Rekomendovana kafedroy gidravliki Moskovskogo inzhenerno-stroi-
tel'nogo instituta imeni V.V. Kuybysheva.
          (Anchorage)   (Locks (Hydraulic engineering))

VASILYEV, O. F.

AUTHOR: Vasiliyev, O.F.   SOV/24-58-6-23/35

TITLE: /of Discontinuous Waves of Small Height in an Open Channel
          (O raschete preryvnoy volny maloy vysoty v otkrytom rusle)

PERIODICAL: Izvestiya Akademii Nauk SSSR Otdeleniye Tekhnicheskikh
          Nauk, 1958, Nr 6, pp 119-121 (USSR)

ABSTRACT: The absolute velocity of propagation of the front of such
          a wave (cf. diagram on page 119) is given by the
          approximate formula

          $$c = \sqrt{gh_s} \pm v \quad (h_s = \omega/B)$$

          where v is the initial velocity of flow in the channel and
          ω and B are the cross-sectional area and the width of the
          free surface in front of the wave respectively.   The
          height of the wave is considered small if a/h is less or
          equal to 0.1.   A discussion is given of the range of
          applicability of this formula in the case of complete

Card 1/2

Calculation   SOV/24-58-6-23/35
/of. Discontinuous Waves of Small Height in an Open Channel

    obstruction of the current (Eq 9) and in the case when
    the height of the wave is large (Eq 8).

    There are 1 figure and 9 references (1 German, 2 French
    and 6 Soviet)

ASSOCIATION: Moskovskiy Inzhenerno-stroitel'nyy Institut (Moscow
    Engineering and Building Institute)

SUBMITTED: April 3rd, 1958

Card 2/2

SOV/24-58-10-6/34

AUTHOR: Vasil'yev, O. F. (Moscow)

TITLE: Dynamics of Flow and Hydromixture on a Deforming River Bed
(Dinamika potoka gidrosmesi na deformiruyemom lozhe)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, 1958, Nr 10, pp 34-39 (USSR)

ABSTRACT: Previous work on the subject has been carried out by Levi
(Refs.1 and 7), Gavrashenko (Ref.2) and Kochina (Ref.3). In
Fig.1, aa is the profile of the stream bottom at time t ,
and a'a' is the profile at time t + dt , the change in
the profile being brought about by the material deposited
from the stream. Assuming that the current varies evenly
with distance and slowly with time, the differential equations
allowing for continuity, for deformation and movement of the
stream bed, for fluid friction and for dynamic flow are estab-
lished. The profile of the deposit is calculated on the basis
of these equations and compared in Figs.5 and 6 with the pro-
files obtained from the Gavrashenko-Kochina solution and from
the experimental results of Rusinov and Zadvornyy (Ref.6) for
a homogeneous sand. The agreement is satisfactory. V. D.
Zhurin gave advice and instruction during the course of the

Card 1/2

SOV/24-58-10-6/34

Dynamics of Flow and Hydromixture on a Deforming River Bed

work; the calculations were made by V. Dobrozhan, L. Rovkov
and P. Sergeyev. There are 6 figures and 7 references; 6
of the references are Soviet and 1 English.

ASSOCIATION: Moskovskiy inzhenerno-stroitel'nyy institut (Moscow
Civil Engineering Institute)

SUBMITTED: May 13, 1958.

Card 2/2

SOV/24-59-1-11/35

AUTHOR: Vasil'yev, O.F., (Moscow)

TITLE: On Approximate Analysis of Waves of Surface Water
           and the Conditions Affecting Ships in Locks
           (O priblizhennom analize kolebaniy poverkhnosti vody
           i usloviy otstoya sudov v shlyuzakh)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh
           Nauk, Energetika i Avtomatika, 1959, Nr 1, pp 78-89 (USSR)

ABSTRACT: A theory of the longitudinal waves in the simplified
           form is applied to the hydraulic calculation of locks.
           An assumption is made that the lock chamber has a flat
           bottom and both reaches (channels) are prismatic and
           have also flat bottoms. The co-ordinates xyz are
           chosen in such a way that the plane xy is placed on the
           water surface with the x-axis directed parallel to the
           chamber with the origin placed at the point of entry
           (Fig 1). The linear longitudinal waves on the water
           surface are considered. The component u_x of the
           velocity of the water particles is much greater than
           those of u_y and u_z. The following denotations are

Card 1/6

On Approximate Analysis of Waves of Surface Water and the
Conditions Affecting Ships in Locks

used in the calculation:

l_k — length of the chamber;
b_k — width of the chamber at the water surface;
h — water depth in the chamber;
ω_k — cross-section of water;
l_c — length of ship;
b_c — width of ship (at water line);
S — immersion of the ship;
ω_c — cross-section of the immersed part of the ship;
W — volume of water displaced by the ship;
p — pressure of water;
g — gravitation;
ρ — density of water;
γ — volumetric weight of water;
t — time.

The dynamical equation is shown as Eq (1.4). The
continuity expression (1.7) is based on the volume of
water between the cross-sections I at the time t and
II at $t + dt$ (Fig 2 where a, a — water surface at t;

Card 2/6

On Approximate Analysis of Waves of Surface Water and the
Conditions Affecting Ships in Locks

a'a' – at t + dt; b,b and b',b' – respective positions
of ship's bottom). This equation can also be written
as Eq (1.10) where Υ – ordinate of the water surface;
p_0 – pressure at the surface. An assumption is made
that the ordinate of the floating plane of the ship η
is equal to the ordinate of the free water surface ζ
(Eq 1.11). Then, the equation (1.10) will take the
form Eq (1.14). The latter equation becomes Eq (1.15)
when ω = const (c – wave velocity) or Eq (1.16) when
ω_c = const, b_c = const and $\omega = \omega_K - \omega_c$. The limiting
conditions of Eq (1.14) can be shown for the chamber as
Eq (1.17) to (1.21). Similarly, the limiting conditions
can be found for both channels when Eq (1.24) is
considered for a length l. The waving force affecting
the ship can be calculated from Eq (1.25) where S_c –
submerged surface of the ship, n – vector of the internal
normal to the surface S_c. The length of the ship is
expressed as $l_c = W/\omega_c$. The calculation of the initial
stage of filling the chamber (with one ship) is based on

Card 3/6

On Approximate Analysis of Waves of Surface Water and the
Conditions Affecting Ships in Locks

Eq (1.14) which is written in the form of Eq (2.1).
It is assumed that ω_c = const and

$$Q'(t) \approx Q'(0) = \text{const} \qquad (2.2)$$

Then the integral of Eq (2.1) can be shown as Eq (2.3)
where $\int^{*}$ = partial solution of Eq (2.1), based on
Eq (1.20) and (1.21), which can be defined as a sum of
2 functions (Eq 2.4). The first function is found from
Eq (2.5) which characterises the average level increase
in the chamber as a function of time and the second from
the expression:

$$Q_x = u_x \omega = Q \left(1 - \frac{x}{\ell_k} \right)$$

and Eq (2.6). When the value:

$$x = \ell_{i-1} + x_i, \; \chi(x) = \chi_i(x_i)$$

in Eq (2.6) is considered separately for each of the
three chamber sections $(0, \ell_1)$, (ℓ_1, ℓ_2), (ℓ_2, ℓ_k) then
Card 4/6   Eq (2.7) is obtained for the i-th section. The limiting

On Approximate Analysis of Waves of Surface Water and the
Conditions Affecting Ships in Locks

conditions in this case can be defined as Eq (2.12) and
(2.13) where $X_1(x)$ corresponds to the same section as
ξ_i and $\varkappa_i$. The expression (2.11) can be written as
Eq (2.14) for each section, the more general form of
which is shown as Eq (2.15) where A_i and B_i – constant
integrations. As a result of the first limiting
condition, Eq (2.12), it can be shown from Eq (2.13) and
from the expression for c_i that Eq (2.16) is true for
$x = \ell_1$ and Eq (2.17) for $x = \ell_2$. The expression (2.18)
results from the 2nd condition of Eq (2.12). From
Eq (2.16) and (2.17) the formulae (2.23) can be found
which, when substituted in Eq (2.18) give the
transcendental Eq (2.24). The positive roots of this
equation $(v_1, v_2, \ldots, v_n \ldots)$ are included in the
expression (2.25) which defines the specific frequency
(γ_n) of water waves in the chamber with the period T_n.
The initial conditions (2.9) can be determined by
solving the expression (2.10). This can be done when
the formulae (2.27) are substituted in the Eq (2.29) to

Card 5/6

SOV/24-59-1-11/35

On Approximate Analysis of Waves of Surface Water and the
Conditions Affecting Ships in Locks

Eq (2.32). The final expression for the ordinate of
water surface in the chamber can be shown as Eq (2.33)
with the components corresponding to the sections, as
in Eq (2.35). The general expression for the waving
force (2.37) at the initial period is found when
Eq (2.33) is substituted in Eq (1.26). This expression
describes the waves reflected from the sluices and from
the sides of the ship. There are 2 figures and
6 references of which 5 are Soviet and 1 English.

ASSOCIATION: Moskovskiy Inzhenerno -Stroitel'nyy Institut
            (Moscow Engineering Constructional Institute)

SUBMITTED: 30th September 1958

Card 6/6

SOV/24-59-2-19/30

AUTHOR: Vasil'yev, O. F. (Moscow)

TITLE: Problems of the Hydrodynamic Calculations of a Tilted
Elevator for Transporting Ships (Zadachi gidrodinamicheskogo
rascheta naklonnykh sudopod"yemnikov)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Energetika i avtomatika, 1959, Nr 2, pp 120-130 (USSR)

ABSTRACT: When designing the junction of the various waterways of
the Bratsk system, the investigations were carried out by
the Moscow branch of the Institute of Hydroelectric Con-
structions and the management of the Bratsk Power Station,
in order to construct an elevator for the transportation of
ships between two navigational waters. It consists of a
tank moving on rails, and filled with water, in which the
ship is placed (Fig 1). The problem of vibration of water
surface in the tank can be defined for one of the two
possibilities: (1) when the time for starting or stopping
the elevator is relatively long, or (2) when the tank is
allowed to stop abruptly. The latter consideration can be
used when determining the surface vibrations in the case of
emergency braking. The experiments were carried out with a
1:50 scale model of a tank of the following dimensions –
length, ℓ_k = 110 m; width, b_k = 18 m; depth, h = 3.65 m;

Card 1/5

Problems of the Hydrodynamic Calculations of a Tilted Elevator for
Transporting Ships

slope of the road, 0.05 and velocity of the motion
$v = 0.8$ m/sec. The waves produced by an abrupt braking
reached 1.5 m of height for a ship of 3330 m of water
displacement, 85 m long, 14 m wide ($b_c = 14$) 3.2 m maximum
and 0.6 m minimum immersion. The experiment showed that
the water level in the tank at the moment of waves generat-
ion due to the abrupt braking can reach the mean height as
expressed by Eq (1.1), where Θ - road inclination (Fig.1),
g - gravity. The water level defined by the wave crests is
actually higher than it is shown by Eqs (1.2) and (1.3)
(where ω_k - cross section of water in the tank, ω_c -
cross-section of the immersed part of the ship, and b_c -
width of ship at water-line of vessel). The dynamic equations
of motion of the water in the tank can be expressed as Eqs
(2.1) and (2.2) where $j(t)$ - acceleration of the tank.
The pressure is defined as Eq (2.3) (ζ - ordinate of the

Card 2/5

Problems of the Hydrodynamic Calculations of a Tilted Elevator for Transporting Ships

static water surface, p_0 — pressure at the static water surface). The equation of continuity (2.7) can be defined from Eqs (2.4) - (2.6), where c — velocity of wave propagation along the tank, as calculated from Eq (2.8). The Eq (2.4) can be expressed as Eq (2.9) for the limiting conditions $u_x(0, t) = u_x(\ell_k, t) = 0$. When the values of φ and ω are denoted by ζ_1 and ω_1 in the section $(0, \ell_1)$, then the combined expression, Eq (2.10), will define the introductory section for $x = \ell_1$ and $x = \ell_2$, where $\ell_c = \ell_2 - \ell_1$ = the length of the ship (Eq 2.11). The initial conditions for the calm water can be expressed as Eq (2.12). The forces in the expression (3.3), which affect the ship, consist of the inertia force, Eq (3.1) and the waving force (Eq 3.2). In order to find a solution of the problem it is necessary first to integrate the equation (2.6) for the initial conditions (2.12). When the motion is represented as in Fig 2, then the acceleration can be shown as Eq (4.1) and the formula (2.6) can be expressed as Eq (4.2).

Card 3/5 The latter equation, after integration (Ref 10) will take

Problems of the Hydrodynamic Calculations of a Tilted Elevator for Transporting Ships

the form of Eq (4.3), where $X_n(x)$ is the function of the limiting conditions. These can be defined by Eqs (4.4) to (4.12). The expression (4.11) can be derived for each of the 4 intervals of time (τ_{q-1} , τ_q) (q = 1, 2, 3, 4).

This can be done as shown in Eqs (4.13) to (4.20). Thus, the final solution can be shown as Eqs (4.21) to (4.23) for ζ and Eqs (4.24) to (4.30) for P . The safe tensile strength of the ropes holding the ship in the tank can be

Card 4/5

SOV/24-59-2-19/30

Problems of the Hydrodynamic Calculations of a Tilted Elevator for
Transporting Ships

> calculated from the expressions (5.1) for normal conditions
> and (5.2) for emergency conditions. There are 2 figures
> and 13 references, of which 11 are Soviet and 2 German.

ASSOCIATION: Moskovskiy inzhenerno-stroitel'nyy institut (Moscow
      Construction   Engineering Institute)

SUBMITTED: October 18, 1958.

Card 5/5

VASIL'YEV, O. F. (Novosibirsk)

"Fluid and Ship Oscillations in Locks and Ship Elevators."

report presented at the First All-Union Congress on Theoretical and Applied Mechanics, Moscow, 27 Jan - 3 Feb 1960.

VASIL'EV, O. F., Doc Tech Sci -- (diss) "Problems in the hydro-
dynamics of maritime devices." Novosibirsk, 1960. 13 pp; (Acad-
emy of Sciences USSR, Siberian Division, Joint Academic Council
for Physico-mathematical and Technical Sciences); 200 copies;
free; (KL, 25-60, 129)

GORB, T.V. [Horb, T.V.], doktor sel'skokhoz.nauk; TERESHCHENKO, F.K.,
kand.biolog.nauk; BOGAYEVSKIY, O.T. [Bohaievs'kyi, O.T.], kand.
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KNIGA, M.I. [Knyha, M.I.]; POPOV, O.Ya., kand.sel'skokhoz.nauk;
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I.F. [Khrabustovs'kyi, I.F.], kand.biolog.nauk; TORSTYANETSKAYA, M.N.,
[Trostianets'ka, M.N.], assistent; ALESHKO, P.I., inzh.; VASIL'YEV,
Vasyl'iev, O.F., kand.tekhn.nauk; BUGAYENKO, I.I. [Buhaienko, I.I.],
starshiy prepodavatel'; TRAKHTOMIROVA, O.O., kand.ekonom.nauk;
BUTKO, S.D., kand.ekonom.nauk; TELESHIK, K.G. [Teleshyk, K.H.],
doktor ekonom.nauk; YAROSHENKO, V.D., kand.ekonom.nauk; LISIY, I.Y.
[Lysyi, I.I.], red.; YEROSHENKO, T.G. [IEroshenko, T.H.], tekhn.red.

[Handbook for zootechnicians] Dovidnyk zootekhnika. 2., dopovnene
i pereroblene vyd. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry
URSR, 1960. 728 p.   (MIRA 15:2)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.
Lenina (for Potemkin). 2. Chlen-korrespondent Vsesoyuznoy akademii
sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Kniga).
(Stock and stock breeding)

VASIL'YEV, O.F. ; PRITVITS, N.A. ; TITOV, V.M.

Some hydronamic calculations relating to methods for controlling larvae of blood-sucking midges in rivers. Izv.Sib.otd.AN SSSR no.8:124-134 '60.   (MIRA 13:9)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.
(Insecticides)

VASIL'YEV, O.F., kand.tekhn.nauk

The height of waves rolling aginst embankments. Gidr.stroi.
29 no.3:48 Mr '60.   (MIRA 13:6)
                 (Waves)

VASIL'YEV, O.F.

Observations on the state of the Usoy dam on Sarez Lake in
1956. Izv.vses.geog.ob-va 92 no.5:427-433 S-O '60.
(MIRA 13:9)

(Sarez Lake--Landslides)

VASIL'YEV, O.F. (Novosibirsk)

Solution of equations of the wave action of water and a ship in an oblique navigation lock chamber. Izv.AN SSSR. Otd.tekh. nauk.Mekh. i mashinostr. no.4:54-64 Jl-Ag '61.   (MIRA 14 8)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.
   (Locks (Hydraulic engineering)) (Wave mechanics)

VASIL'YEV, O.F. (Novosibirsk)

Approximate equations of the wave action of water and a ship in the navigation-lock chamber. Izv.AN SSSR.Otd.tekh.nauk.Mekh.i mashinostr. no.3:78-83 My-Je '61.   (MIRA 14:6)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.
   (Locks (Hydraulic engineering))   (Wave mechanics)

VASIL'YEV, O.F.

Approximate equations of the bound vibrations of water and a ship in the chambers of transporting ship elevator and sluices. Dokl.AN SSSR 138 no.6:1309-1312 Je '61.   (MIRA 14:6)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR. Predstavleno akademikom P.Ya.Kochinoy.
                                (Hydrodynamics) (Vibration)

VASIL'YEV, O.F. (Novosibirsk)

Wave action of water and a ship in the chamber of an inclined
navigation lock. Izv.AN SSSR.Otd.tekh.nauk.Mekh.i mashinostr
no.1:167-171 Ja-F '62.   (MIRA 15:3)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.
                    (Locks(Hydraulic engineering))

BUKREYEV, V.I., inzh.; VASIL'YEV, O.F., doktor tekhn.nauk; GLADYSHEV, M.T.

Graphoanalytic calculation of pressure in a hydraulic system
with an accumulator supply. Vest.mashinostr. 42 no.8:30-33
Ag '62.   (MIRA 15:8)
                              (Hydraulic machinery)

VASIL'YEV, O.F. (Novosibirsk)

Nonstationary flow of a viscoplastic quicksand. Izv. AN
SSSR. Mekh. i mashinostr. no.6:69-73 N-D '63.

(MIRA 17:1)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR.

VASIL'YEV, O.F.; GODUNOV, S.K.; FRITVITS, N.A.; TEMNOYEVA, T.A.;
PRYAZINOVA, I.L.; SHUGRIN, S.M.

VASILYEV, O.F.; KHAPILOVA, N.S. (Novosibirsk)

"An analysis of axisymmetric swirling inviscid flow in bounded regions"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

ATAVIN, A.A.; VASILYEV, O.F.; PRITVITS, N.A.; SHUGRIN, S.M. (Novosibirsk)

"Unsteady problems of open-channel hydraulics"

report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 January - 5 February 1964

VASIL'YEV, O.F.

Use and experimental testing of the approximate theory of
fluctuations in the chamber of an inclined ship elevator.
Izv. SO AN SSSR no.2. Ser. tekh. nauk no.1:89-100 '64.
(MIRA 17:8)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR,
Novosibirsk.

ATAVIN, A.A.; VASIL'YEV, O.F.

Numerical methods for calculating coupled water surface and ships' vibrations in locks and inclined ship elevators. Determining the dynamic action on a ship. Izv. SO AN SSSR no.(Ser. tekh. nauk no.2: 47-58 '64. (MIRA 17:10)

1. Institut gidrodinamiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

VASIL'YEV, O.F. (Novosibirsk); VOYNOV, A.K. (Novosibirsk); ROMANOV, Ye.
M. (Novosibirsk)

Experimental investigation of quicksand flow in a stratum.
Izv. AN SSSR. Mekh. i mashinostr. no. 2:179-182 Mr-Ap '64.
(MIRA 17:5)

VASIL'YEV, O.F. (Novosibirsk); TEMNOYEVA, T.A. (Novosibirsk);
    SHUGRIN, S.M. (Novosibirsk)

Numerical method for calculating nonsteady flows in open
channels. Izv. AN SSSR. Mekh. no.2:17-25 Mr-Ap '65.

(MIRA 18:6)

L 60251-65   EWT(d)   Pg-4   IJP(c)

ACCESSION NR: AP5018202   UR/0207/65/000/003/0097/0099

AUTHORS: Vasil'yev, O. F. (Novosibirsk); Khapilova, N. S. (Novosibirsk)

TITLE: Equations of motion of a thin fluid layer on the surface of a rotating body of rotation

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1965, 97-99

TOPIC TAGS: differential equation, fluid mechanics, viscous fluid

ABSTRACT: The authors study nonsteady state flow of a thin layer of fluid on the surface of a body of rotation, rotating with variable angular velocity about its axis. They assume the presence of an ert r   ie   i l e a ting a. ng the c   y s axis and precipitation of particles   m a   l   th the free surface   They the the path of   averaging of the   s hd w th   th   tre   yer of the system of differential equat.   l   n t   n   from the general equa- tions of verying viscous fluid moti   l   h ar coordinate system n nw with   l/   ng   l   t.   mulas.

ASSOCIATION: none

SUBMITTED: 01Dec64   ENCL: 00   SUB CODE: ME, MA

NO REF SOV: 003   OTHER: 000

Card 1/1

VASIL'YEV, O   M   , ED.

N/5
912.675
.V3

NEMETSKO-RUSSKIY SLOVAR' PO RAKETNOY

TEKHNIKE /GERMAN-RUSSIAN DICTIONARY OR

ROCKET ENGINEERING_7 POD RED. YU. A.

POBEDONOSTSEV. MOSKVA, GOSTEKHIZDAT,

1950.

212 P.

ADDED T.P. IN GERMAN.

MAMALUY, Aleksandr Prokof'yevich,kand. ekon. nauk, dots.; VASIL'YEV,O.M.,otv.red.;
BUTAKOVA, N.S., red.; CHERNYSHENKO, Ya.T., tekhn. red.

[Commodity production in the period of transition from capitalism
to socialism in the U.S.S.R.] Tovarnoe proizvodstvo v perekhodnyi
period ot kapitalizma k sotsializmu v SSSR. Khar'kov, Izd-vo
Khar'kovskogo gos.univ. im. A...Gor'kogo, 1958. 45 p.   (MIRA 11:12)
            (Russia--Economic conditions)

VASIL'YEV, O. N., YEMEL'YANOV, M. D. and SIDEL'NIKOV, T. A.

"New Methods of Investigation Vestibular Function" - p. 55

Voyenno Meditsinskiy Zhurnal, No. 10, 1962

VASIL'YEV, O.P.

[Elements of the calculation of some parameters of
magnetic drums] Elementy rascheta nekotorykh parametrov
magnitnykh barabanov. Moskva, In-t tochnoi mekhaniki i
vychislitel'noi tekhniki AN SSSR, 1962. 80 p.
                                    (MIRA 17:3)

VASIL'YEV, O.P., inzh.

Analysis of relationships which are considered in the selection of dimensions for a magnetic drum. [Trudy] MVTU no.2:81-85 '59.   (MIRA 13:5)
    (Magnetic memory (Calculating machines))

VASiL'Yev, O. F.

Moscow. Vyssheye tekhnicheskoye uchilishche imeni Baumana. Kafedra matematicheskikh mashin

Vychislitel'naya tekhnika (Computer Technique) Moscow, Mashgiz, 1959. 153 p. (Series: Moscow. Vyssheye tekhnicheskoye uchilishche. Sbornik, No. 2) 2,500 copies printed.

Ed.: B.V. Anisimov, Candidate of Technical Sciences; Tech. Eds.: B.I. Model' and A.F. Uvarova; Managing Ed. for Literature on Machine Building and Instrument Construction: N.V. Pokrovskiy, Engineer.

PURPOSE: This book may be useful to Aspirants and other students specializing in computer technology, and also to designers and engineering and technical personnel who make use of electronic computers.

School (meni Bauman) in honor of the 40th anniversary of the October Revolution. The articles contain the results of theoretical and experimental studies on the performance of various components of electronic computers. Among the topics discussed are program storage, control devices, etc. The application of meters of an algorithm and a machine, the connection between the parameters of these components to the control of technological processes is also discussed. /Anisimov, B.V., Cand. Tech. Sci/ and V.N. Golubkin, Candidate of Technical Sciences. Analysis of the Quality of Servo-Systems With Discrete Element   32

Dobrov, Ye.V., Engineer. The Effect of Block Diagram Parameters on the Performance Quality of a Tubeless Direct Current Operational Amplifier   46

Anisimov, B.V., Candidate of Technical Sciences, V.N. Golubkin, Candidate of Technical Sciences, and Yu.M. Dovzhenko, Engineer. Device for Transforming the Form of Recordings of a Program Trubnikov, KK,Candidate of Technical Sciences, and Ye.I. Nekrylov, Engineer. Certain Principles of Constructing Local Control by External Memory Devices   56

Vlasenko, V.I., Candidate of Technical Sciences, O.I. Zhdanov, Professor, A.M. Desyatykh, Engineer, and I.M. Indakov, Engineer. Method of Forming the Image of Numbers by Means of a Ferrite Matrix   64

Shreyder, Yu.A., Candidate of Physical and Mathematical Sciences. The Connection Between the Parameters of an Algorithm and of a Machine   70

Anisimov, B.V., Candidate of Technical Sciences, V.N. Golubkin, Candidate of Technical Sciences, and A.Ya. Savel'yev, Engineer. Device for the Control of Recording of Information on Magnetic Tape 75

Vasilyev, O.F., Engineer. Analysis of Certain Relationships for an Economical Selection of the Dimensions of a Magnetic Drum   81

Anisimov, B.V., Candidate of Technical Sciences, and Yu.V. Vinogradov, Engineer. On the Problem of the Exactness of the Re-presentation of Continuously Varying Values in a Numerical Code   86

Shreyder, Yu.A., Candidate of Physical and Mathematical Sciences. Solution of Boundary Value Problems by the Method of Polynomial Approximations   95

Markov, O.Ya., Engineer. Certain Considerations on the Preventive Control of Electronic Computers   99

M.S. Sapin, Engineer. Photoelectric Device Which Receives Printed Numerical Signs   108

Palasnevskiy, A.M., Engineer. Analysis of Information Storage Components of Computers   121

Chetverikov, V.N., Candidate of Technical Sciences. Relay Integrating Drive With Electromagnetic Powder Clutch   130

Kalasnnikov, V.A., Engineer. Certain Algorithms for the Rational Planning of Production   142

Kuznetsov, N.M., Candidate of Technical Sciences. Circuit Mechanism for Programmed Control   148

LUK'YANOVA, Yelena Mikhaylovna[Lukianova, O.M.], kand. med. nauk;
    VASIL'YEV,O.P.[Vasil'iev,O.P.],translator; BEREZNITSKAYA,S.A.
    [Bereznits!ka,S.A.],red.; BYKOV, M.M., tekhn. red.

[Prevention and treatment of acute catarrhs of the respiratory
tract in children] Zapobihannia ta likuvannia hostrykh katariv
dykhal'nykh shliakhiv u ditei. Kyiv, Derzh. vyd-vo URSR,
1961. 18 p.   (MIRA 15:3)
        (CATARRH)   (CHILDREN—DISEASES)

SOV-113-58-9-6/19

AUTHORS: Gurvich, I.B., Candidate of Technical Sciences, Vasil'yev,
              O.S., Sukhanov, V.A.

TITLE: The Limitation of Loads at the Running-in of the Engine in
              the Automobile (Ogranicheniye nagruzok pri obkatke dviga-
              telya na avtomobile)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 9, pp 15-16 (USSR)

ABSTRACT: In running-in the engine, to accomplish the mechanical finish-
              ing of the engine surfaces, a disk used to be inserted bet-
              ween the carburetor and the feed pipe in light cars.   This
              was not necessary for trucks, since there are enough means
              to direct the number of revolutions.   The inserted disk be-
              hind the carburetor had the disadvantage that the atomiza-
              tion of the fuel in the engine became worse and caused settl-
              ing of the gasoline on the walls of the supply pipe system
              finally resulting in scale formation in the compression cham-
              bers and on the piston bottoms.   A suggestion is made to re-
              place the inserted disk by a baffle plate (Figure 2) for
              fixation of the deflection angle.   This eliminates the neces-
              sity of separating the carburetor from the feed pipe after
Card 1/2   the 1,000-km-running-in period, to remove the disk.   In the

SOV-113-58-9-6/19

The Limitation of Loads at the Running-in of the Engine in the Automobile

case of the baffle plate only a screw is unscrewed and the plate easily removed. Five M-20 and 3 ZIm engines were given test runs to try both principles (Table 2). They resulted in favor of the baffle plate, since there are none of the disadvantages caused by the disk and an additional economy of 1 to 1.25 liters of gasoline per 100 km running-in consumption.

There are 4 graphs, 1 diagram and 2 tables.

ASSOCIATION: Gor'kovskiy avtozavod (The Gor'kiy Motor Vehicle Plant).

1. Automobiles--Performance   2. Combustion engines--Test methods

Card 2/2

VASIL'YEV, Oleg Sergeyevich; KOSTIN, V., red.; TROYANOVSKAYA, N.,
tekhn.red.

[Their morals] Ikh moral'. Moskva, Gos.izd-vo polit.lit-ry,
1959. 64 p.   (MIRA 12:6)
(United States--Social conditions)

VASIL'YEV, P. (Kurgan)

      Heroism. Pozh.delo 5 no.4:23 Ap '59.   (MIRA 12:5)
        (Kurgan--Fire Extinction)

VASIL'YEV, P.; SHIRKEVICH, N.

Consolidating district and village budgets. Fin.SSSR 20
no.12:39-47 D '59.   (MIRA 12:12)
          (Budget)

VASIL'YEV, P., inzh.

Plant must be enlarged. Mias.ind.SSSR 31 no.1:25-26 '60.
                                                    (MIRA 13:5)

1. Biyskiy zavod "Molmashstroy".
            (Biysk--Meat industry--Equipment and supplies)

VASIL'YEV, P., red.; LAUL, Yu., tekhn. red.

[Fulfillment of the seven-year plan ahead of time]Semiletku
dosrochno. Tallinn, Estonskoe gos. izd-vo, 1961. 260 p.
                                        (MIRA 16:1)
1. Eestimaa Kommunistlik Partei. Keskkomitee. Propaganda- ja
Agitatiooniosakond.
                    (Estonia--Agriculture)

MAMUSHKIN, P.; MEN'SHIKOV, V.; VASIL'YEV, P. (Bryanskaya oblast', Novozybkov-
    skiy rayon); BOBROVSKAYA, Z.; KULAGIN, N.; TROITSKIY, L.; NURULLAYEV,
    S., operator

Editors's mail. Sov. profsoiuzy 16 no.18:49-51 S '60.(MIRA 13:10)

1. Sekretar' partbyuro torfopredpriyatiya "Vasil'yevskiy mokh" (for
Mamushkin). 2. Instruktor metodicheskogo otdela TSentral'nogo Doma
kul'tury zheleznodorozhnikov (for Men'shikov). 3. Chleny prezidiuma
dorozhnogo komiteta profsoyuza rabotnikov zheleznodorozhnogo transporta
Sverdlovskoy zheleznoy dorogi (for Bobrovskaya, Kulagin). 4. Zave-
duyushchiy otdelom kul'tury i fizkul'tury Chelyabinskogo oblprofsoveta
(for Troitskiy). 5. Novo-Bakinskiy neftepererabatyvayushchiy zavod
(for Nurullayev).
                    (Perm--Communist education)

CHIOGOLYA, G.; BERAL, Kh.; VASIL'YEV, P.; POPOVICH, N.; KOSMIN, Anna;
    MADZHARU, M.; YAKOB, A.; LAKATOSH, L.; DIAKU, D.; PATRASHKU, S.

Determination of bismuth in Rumanian drugs by means of EDTA titration.
Apt.delo 8 no.6:67-69 N-D '59.   (MIRA 13:4)

1. Iz Instituta po lintrolyu kachestva medikamentov Ministerstva
zdravookhraneniya Rumynskoy Narodnoy Respubliki, Bukharest.
                    (BISMUTH--ANALYSIS)

VASILYEV, P.

Transport zheleznodorozhnyl v SSSR. [Railroad transportation in the "U.S.S.R."]. (Bol. sov. ents., 1940, v. 10, col. 213-214).

DLC: AE55.B3

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress Reference Department, Washington, 1952, Unclassified.

VASIL'YEV, P.

Operation of refrigerating plants. Mias. ind. SSSR 30 no.5:44-46
'59.
(MIRA 13:1)

1.Moskovskiy myasopererabatyvayushchiy zavod.
(Moscow--Cold storage warehouses)

VASIL'YEV, P.

Economy of public work with the comprehensive utilization of forestry materials. Sots.trud 4 no.7:26-35 Jl '59.

(MIRA 13:4)

(Woodpulp industry)

VASIL'YEV, P.

An example of conscientious service. Pozh.delo 3 no.2:24 F '57.
(Taganrog--Firemen)

AUTHOR: Vasil'yev, P., School Director   27-58-6-21/35

TITLE: In Honor of the Jubilee of the Komsomol (V chest' yubileya
               komsomola)

PERIODICAL: Professional'no-Tekhnicheskoye Obrazovaniye, 1958, Nr 6,
               p 28 (USSR)

ABSTRACT: Students of the Technical School Nr 8 pledged themselves to
               improve and increase their productivity in honor of the
               Fortieth Anniversary of the Komsomols.

ASSOCIATION: Tekhnicheskoye uchilishche № 8, Rostov-na-Donu (Rostov-on-Don
               Technical School Nr 8)

Card 1/1   1. Educational dynamics-USSR   2. Education-USSR

Vasil'yev, P.

VASIL'YEV, P., inzh.

Modern designs of concrete bridge girders with rigid reinforcements.
Avt. dor. 21 no.1:20-22 Ja '58.   (MIRA 11:1)
                             (Girders)

VASIL'YEV, P. (Taganrog)

Rubber washers for RS-A and RS-B nozzles. Pozh.delo 6 no.6:23 Je
'60.   (MIRA 13:7)
            (Fire departments--Equipment and supplies)

BEL'SKIY, V.; VASIL'YEV, P., master radiosporta

Ultrahigh frequency radio broadcasting. Radio no.6:13-14 Je '60.
                                                        (MIRA 13:7)

1. Nachal'nik otdela radioveshchaniya radio upravleniya Ministers-
tva svyazi RSFSR (for Bel'skiy).
                    (Radio, Shortwave)

VASIL'YEV, P., master radiosporta, uchastnik Pervykh mezhduvedomstvennykh
sorevnovaniy radistov.

Quality should have precedence. Radio no.6:14-15 Je '60.
(Radio--Operators)

KAMMAL, Uno; TORMISTO, Vello; TULIK, A. [translator]; VASIL'YEV, P., red.;
VEBER, Kh., tekhn. red.

[Tallinn] Tallin. Tallin, Estonskoe gos. izd-vo, 1960. 78 p.
(MIRA 14:11)

(Tallinn)

L 55/82-55   EEO-2/EWG(j)/FSS-2/EWG(r)/EWT.1)/FS(v)-3/EEC(k)-2/EWG(v)/FCC/EWA(d)/
EEC-4/EEC(t)/EWG(a)-2/EWG(c)/EWA(h)   Po-4/Pe-5/Pq-4/Pac-4/Pae-2/Peb/Pi-4
                                         UR/0209/65/000/006/0022/0026

ACCESSION NR: AP5014800

AUTHOR: Vasil'yev, P.; Kovalev, V.; Terent'yev, V.

TITLE: The first space expedition; biomedical research

SOURCE: Aviatsiya i kosmonavtika, no. 6, 1965, 22-26

TOPIC TAGS: space medicine, medical conference, space flight, space environment,
space environment condition, astronaut, space psychology, space physiology

ABSTRACT: In the early part of 1965, a conference on space medicine took place
in the Soviet Union. The conference attended by physicians, biologists,
engineers, pilot-astronauts, and others, dealt with the results of physio-
logical research involved in the flight of the Voskhod-1 spacecraft. More
than 50 papers were presented, describing mainly the effects produced on
the human body by such elements as G-force, noise, vibration, weightless-
ness, isolation, hypodynamia, and the rapid succession of day and
night.
        Soviet scientists are reported to have developed a telemetering system
which transmits from spacecraft data on astronauts' cardiac activity, respir-

Card 1/5

L 53782-65

ACCESSION NR: AP5014809   /7

ation, nervous activity, and other physiological functions. However, information supplied through the telemetering system did not fully satisfy those physicians who consider it imperative to subject astronauts to a rigorous medical examination at various flight stages using special checkup methods.

Reports and or ports of m t c   t i   among others, I. Akulinichev, I. Balakh r , r , oroy, A. Yeremin, I. Kas'yan, A. Kotovskaya, V. Lebedev, I. Popov, Popov, Ye. Fedorov, G. Khlebnikov, and Ye. Yuganov.

The flight of the Voskhod spacecraft was executed under favorable radiation conditions: the sp r f's tr   tory ver reached the inner radiation belt. Solar activity was normal throughout the flight, and the radiation to which the human body was subjected did not exceed 0.15 rem.

Before launch, air temperature in the cabin was +17° C, relative humidity was 47%, pressure was 762 mm Hg, oxygen constituted about 20% of the air, and carbon dioxide constituted about 1%. During the flight, none of these variables exceeded the permissible limits: the barometric pressure

Card 2/5

L 53732-65

ACCESSION NR: AP5014809

varied between 762 and 800 mm Hg, the temperature was between 15 and 22° C, /
the humidity was between 47 and 80%, and the oxygen content was between
20 and 22.8%.

During the flight each astronaut consumed 1.4—1.9 ℓ of liquid, in-
cluding 0.2—0.6 ℓ of drinking water. During and immediately after the
flight t protein metabolism appeared to be elevated above that of the
preflight period.

Upon entering the spacecraft, all astronauts remained calm and
comp . " ever, as the time approached, a grad-
ual rise in emotion Pulse and respiration rates
increased. During the last 5 w receding the launch, pulse rates
increased by 23% for V. M. Koma 2% for L. P. Feoktistov,
and 56% for B. B. Yegorov.

It was noted with interest that the pulse and respiration
rates were lower in the group flight than in the comparable individual
flights. Analysis of the dynamics of the pulse rate of astronauts during space
flight has led to the conclusion that the degree of neuroemotional stress de-
pends on the flight pattern and the training and personality traits of astro-

Card 3/5

L 53782-65

ACCESSION NR: AP5014809

nauts. The transition from G-force to weightlessness was smooth and "un-noticed." Arterial pressure underwent a two-phase change, decreasing during the first few orbits and then...

... normal water excretion. The available data are indicative of fast adaptability of man to the abnormal environment of space flight. The spacecraft's commander, ...

perience, was better qualified for this assignment than the ... and physician. One of the prime objectives of the present research was, therefore, a comparative study of the working efficiency of the pilot and the physician. The method used in this study and visual perception tests at various flight stages.

During orbital flight Yegorov and Feoktistov experienced the sen-

Card 4/5

L 53782-65
ACCESSION NR: AP5014809

sation were independent of the spacecraft's stability.
        There are strong indications that hypodynamia and weightlessness,
which lower hydrostatic blood pressure and alter the afferent conditions of
the n.....ous system, as well as in......d neuropsychological tension are

ASSOCIATION: none

SUBMITTED: 00   ENCL: 00   SUB CODE: LS, SV

NO REF SOV: 000   OTHER: 000   ATD PRESS: 4011-F

Card 5/5

VASIL'YEV, P.A., kand. tekhn. nauk

Approximate method for calculating creep deformations during the
determination of temperature stresses in massive concrete plates.
Izv. VNIIG 47:120-128 '52.   (MIRA 12:6)
            (Concrete) (Creep of materials)

SURKC , S. K. Eng., VASIL'EV, P.A. ENG., LIPKIN, B. YU. ang., NAYDIS, V. A. Eng., KULAKCV, ... ENG,, SCKOLCV, M. M. Docent, FRUKTUSKII, D. G. Frd.

Electric Power Distribution

Electric power supply for industrial enterprises. Elektrichestvo No. 2, 1953.

9. **Monthly** **List** **of** **Russian** **Accessions**, Library of Congress, ____June____ 1953. Unclassified.

VASIL'YEV, P. A.

USSR/Electronics - Telephones

Card   1/1   :   Pub. 133 - 8/21

Authors   :   Vasil'ev, P. A., and Mazel', S. I.

Title   :   Improvements which have found an application in the operations and construction of city telephone stations

Periodical   :   Vest. svyazi 9, 14-16, Sep 1954

Abstract   :   Two articles are presented which describe improvements in the operation and construction of city telephone apparatuses and their parts. Diagrams; illustration.

Institution   :   ...

Submitted   :   ...

VASIL'YEV, P.A.

Studying the economy of Karelia. Izv. Kar. i Kol' fil, AN SSSR
no. 1:57-61 '57.   (MIRA 11:7)
        (Karelia--Economic conditions)

VASIL'YEV, P.A., mekhanik; GORDOV, N.D., elektrik.

Automatic water intake installations. Neftianik 2 no.5:
10-11 My '57.   (MIRA 10:5)

1. TSekh podderzhaniya plastovogo davleniya Neftepromyslovogo
upravleniya Tuymazaneft'.
              (Oil well flooding)

VASIL'YEV, P.A.

Corn silage as poultry feed. Ptitsevodstvo 9 no.8:12-13
Ag '59.   (MIRA 12:12)

1. Glavnyy zootekhnik Staromlinovskoy rayonnoy inspektsii
sel'skogo khozyaystva Stalinskoy oblasti.
        (Corn as feed)
        (Staromlinovka District--Poultry--Feeding and feeds)

VASIL'YEV, P.A., inzh.; GORDON, S.V., inzh.

New devices for electric equipment installation work. Energ.
stroi. no. 4:56-60 '65.
(MIRA 18:12)

VASIL'EV, P. A.

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